

TABLE V-3

Occupational Radiation Exposures Based on DOE Standards

Alternative	<u>Operational Modules, rem/year</u>				Total per Year, rem	Total for Campaign, rem ^a
	<u>Removal from Tanks</u>	<u>Processing</u>	<u>Transportation</u>	<u>Storage</u>		
Alternative 1 -						
Continue storage in tanks	5.95×10^{1b}	Not applicable	Not applicable	9.04×10^1	1.50×10^2	4.24×10^3
Alternative 2, Subcase 1 -						
Process to glass; ship to offsite geologic disposal ^c	5.00×10^1	2.75×10^3	1.40×10^2	0	2.94×10^3	2.94×10^4
Alternative 2, Subcase 2 -						
6-A Process to glass; surface storage at SRP ^c	5.00×10^1	2.75×10^3	Not applicable	7.97×10^1	2.88×10^3	3.14×10^4
Alternative 2, Subcase 3 -						
Process to glass; disposal in SRP bedrock cavern ^c	5.00×10^1	2.75×10^3	Not applicable	0	2.80×10^3	2.80×10^4
Alternative 3 -						
Slurry liquid waste into SRP bedrock cavern	5.00×10^1	Not applicable	Not applicable	0	5.00×10^1	5.00×10^2

a. See Table V-4 and text for campaign times.

b. This exposure occurs only when waste is reconstituted and transferred from an old tank to a new tank and during tank decontamination.

c. These numbers were developed specifically for glass waste forms, but should be quite similar for most of the other immobilization forms being investigated.